

Fraction Collector III

Adaptable and reliable fraction collection

MORE COLLECTION OPTIONS

Waters® Fraction Collector III is an easy-to-use, stand-alone, or computer controlled fraction collector designed for use with HPLC and MS applications. Compatible with flow rates as high as 300 mL per minute, the Fraction Collector III handles a wide range of adapter racks and related collection vessels. Its flexible design accommodates a variety of fraction sizes whether you are transferring or collecting to microtiter plates or multiple containers.

With the Fraction Collector III, you benefit from:

- Collection into four microtiter plates (or up to 384 fractions) in a small space.
- A funnel rack that permits collection into 128 bottles or other large container.
- A multipurpose rack that allows you to use the same carriers for collection, assessment of purity, and solvent removal.
- Remote fraction collection through the local console.
- Automated fraction collection through Waters Empower™ 3 or MassLynx™ software.

Run samples easily

The intuitive keyboard and LCD screen available with the Fraction Collector III makes programming and setup easy. View chromatograms in real-time, as well as the collection results table, which summarizes the fraction/collection vessel number for that run.

Fraction Collector III allows you to:

- Collect a large number of fractions with minimal benchtop space
- Collect fractions in oversized containers
- Use the same sample format for collection and analysis
- Manage the secondary collection of the volume between peaks



The Fraction Collector III has a longer Y-arm to permit collection of a larger number of fractions, a diverter valve to maximize collection efficiency, and a drip tray for easy management of spills.

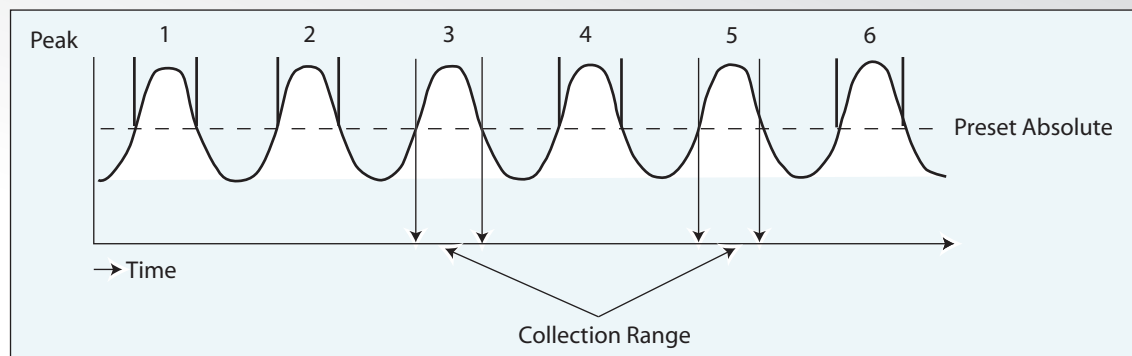
Choose the mode of operation that suits your needs

Several simple to advanced modes of operation are available for fraction collection including: time, threshold, volume, manual, and sampling. These modes of operation can be combined to allow for advanced fraction collection, such as pooling of repeated runs into common vessels.

Peak detection and collection using an analog detector input LC system permits fully automated collection of the peaks of interest. A diverter valve allows collection of peaks without extraneous solvent and/or unwanted peaks (which are diverted to waste), maximizing fraction collection efficiency and overall preparative LC system productivity.

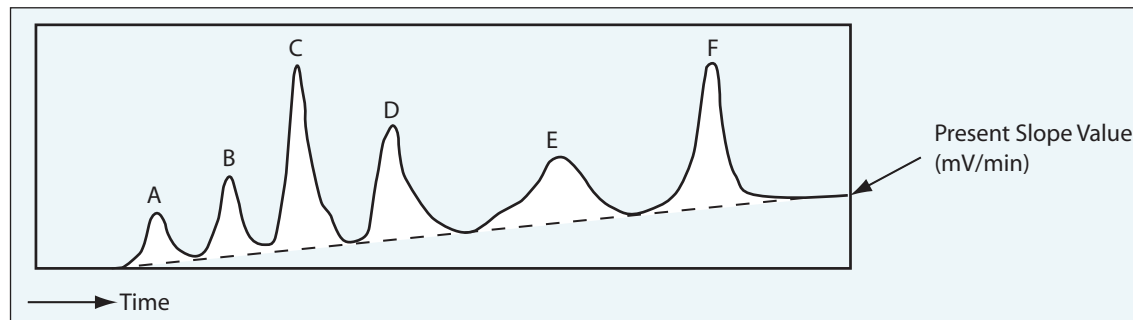
For maximum control and usability, the Fraction Collector III is controlled from either a local keypad, or through serial port communication by Empower 3 or MassLynx software.

Peak Collection Based on Peak Number Discrimination



Peak collection based on peak number discrimination allows you to detect up to 99 peaks and designate up to 10 of those peaks for collection. You can program an absolute value above which peaks are detected, and then specify the peaks you want to collect.

Peak Collection Based on Slope Value Discrimination



Peak collection based on slope value discrimination for use when there is a large drift in the baseline. Collection begins when the slope of the signal exceeds the preset value entered by the user and continues until the signal slope falls below the preset value.

A VARIETY OF SIZES TO FIT YOUR COLLECTION NEEDS

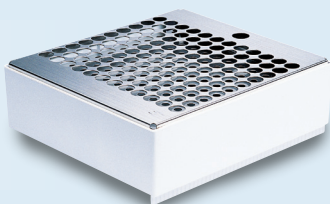
Virtually any size container may be used to collect sample fractions with the Fraction Collector III. Collect fractions directly into Waters Alliance® HPLC System carousels for easy analysis, or choose from our unique variety of racks, which permit collection into:

Scintillation vials

(17 and 28 mL –
diameter adaptable)



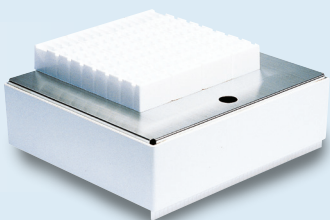
Test tubes



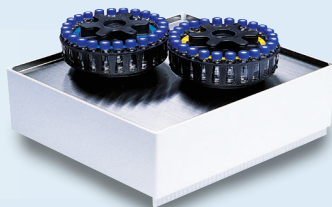
Eppendorf tubes



Prep funnel rack

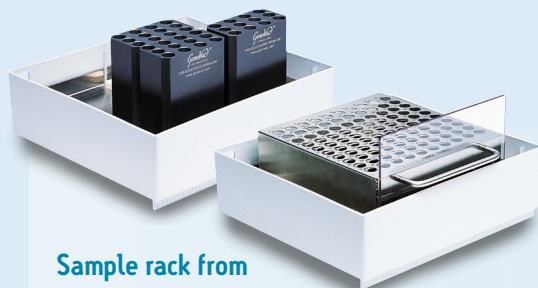


Alliance HPLC System carousels



Bottles

(using the prep funnel rack
and table-top shelf assembly)



Sample rack from
a variety of vendors*
(using the multipurpose rack)

* GenVac adapters, seen above, are not available from Waters.

ORDERING INFORMATION	PART NUMBER
Fraction Collector III (includes one standard rack that holds up to 120 tubes; 12 to 18 mm OD x 90 to 180 mm height)	186001878
Divert valve options	
Divert valve assembly, standard	725000142
Divert valve assembly, low volume (recommended for microtiter plate rack)	725000143
Fittings kit (drop tube and connecting tubing for different flow rates)	205000131
Rack options	
Microtiter plate rack (accepts four microtiter plates, standard and deep-well)	725000110
Dropper extension nozzle (recommended for microtiter plate rack)	725000151
Eppendorf tube rack (up to 120)	725000145
Alliance HPLC System carousel rack (accepts up to two Alliance carousels; each holding up to 24 x 2-mL vials)	725000144
Scintillation vial rack, 16.5 mm (accepts up to 120 scintillation vials; 16.5 mm OD x 54 mm height)	725000146
Scintillation vial rack, 27.5 mm (accepts up to 56 scintillation vials; 27.5 mm OD x 57 mm height)	725000147
Multipurpose rack	725000113
Preparative funnel adapter rack (used with preparative funnel adapters – up to four)	725000107
Preparative funnel adapter, 2 per package (collects up to 32 fractions – requires tubing to connect adapter to collection vessels)	725000106
Tubing for preparative funnel adapter, Tygon 50 feet	WAT037047
Tubing for preparative funnel adapter, Teflon 50 feet	WAT037090
Table-top shelf assembly, for use with prep funnel rack	289000440
Cables	
Chart marker cable (remote start signal)	WAT062031
RS-232C serial cable	700002170
Software	
Fraction Collector III Empower Control, ICS	205000823

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